

Richard A Erickson

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,432
citations

489802

18
h-index

406436

35
g-index

69
all docs

69
docs citations

69
times ranked

2171
citing authors

#	ARTICLE	IF	CITATIONS
1	fishStan: Hierarchical Bayesian models for fisheries. <i>Journal of Open Source Software</i> , 2022, 7, 3444.	2.0	0
2	Use of an artificial stream to monitor avoidance behavior of larval sea lamprey in response to TFM and niclosamide. <i>Journal of Great Lakes Research</i> , 2021, 47, 1192-1192.	0.8	2
3	Demographic and potential biological removal models identify raptor species sensitive to current and future wind energy. <i>Ecosphere</i> , 2021, 12, e03531.	1.0	17
4	Paths to computational fluency for natural resource educators, researchers, and managers. <i>Natural Resource Modelling</i> , 2021, 34, e12318.	0.8	2
5	Demographic Rate Variability of Bighead and Silver Carps Along an Invasion Gradient. <i>Journal of Fish and Wildlife Management</i> , 2021, 12, 338-353.	0.4	5
6	Emerging control strategies for integrated pest management of invasive carps. <i>Journal of Vertebrate Biology</i> , 2021, 70, .	0.4	19
7	Temperature-Related Responses of an Invasive Mussel and 2 Unionid Mussels to Elevated Carbon Dioxide. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1546-1557.	2.2	1
8	Using Markov chains to quantitatively assess movement patterns of invasive fishes impacted by a carbon dioxide barrier in outdoor ponds. <i>Natural Resource Modelling</i> , 2020, 33, e12281.	0.8	1
9	Toxicity of Carbon Dioxide to Freshwater Fishes: Implications for Aquatic Invasive Species Management. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2247-2255.	2.2	6
10	Moving Beyond $p < 0.05$ in Ecotoxicology: A Guide for Practitioners. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1657-1669.	2.2	24
11	Patterns of mercury and selenium exposure in minnesota common loons. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 524-532.	2.2	2
12	Effects of flood inundation, invasion by <i>Phalaris arundinacea</i> , and nitrogen enrichment on extracellular enzyme activity in an Upper Mississippi River floodplain forest. <i>Wetlands Ecology and Management</i> , 2019, 27, 443-454.	0.7	1
13	Refinement of eDNA as an early monitoring tool at the landscape-level: study design considerations. <i>Ecological Applications</i> , 2019, 29, e01951.	1.8	27
14	Sampling Designs for Landscape-level eDNA Monitoring Programs. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 760-771.	1.6	36
15	Ethanol and sodium acetate as a preservation method to delay degradation of environmental DNA. <i>Conservation Genetics Resources</i> , 2019, 11, 83-88.	0.4	16
16	Environmental DNA as a tool to help inform zebra mussel, <i>Dreissena polymorpha</i> , management in inland lakes. <i>Management of Biological Invasions</i> , 2019, 10, 96-110.	0.5	22
17	A guide to calculating habitat-quality metrics to inform conservation of highly mobile species. <i>Natural Resource Modelling</i> , 2018, 31, .	0.8	4
18	Profiles of digestive enzymes of two competing planktivores, silver carp and gizzard shad, differ. <i>Ichthyological Research</i> , 2018, 65, 245-251.	0.5	1

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19	Estimating the perâ€capita contribution of habitats and pathways in a migratory network: a modelling approach. <i>Ecography</i> , 2018, 41, 815-824.	2.1	16
20	Defining and classifying migratory habitats as sources and sinks: The migratory pathway approach. <i>Journal of Applied Ecology</i> , 2018, 55, 108-117.	1.9	12
21	A general modeling framework for describing spatially structured population dynamics. <i>Ecology and Evolution</i> , 2018, 8, 493-508.	0.8	19
22	<sc>ednaoccupancy</sc>: An <sc>r</sc> package for multiscale occupancy modelling of environmental <sc>DNA</sc> data. <i>Molecular Ecology Resources</i> , 2018, 18, 368-380.	2.2	107
23	Assessment of Carbon Dioxide Piscicide Treatments. <i>North American Journal of Fisheries Management</i> , 2018, 38, 1241-1250.	0.5	11
24	Wrangling distributed computing for high-throughput environmental science: An introduction to HTCondor. <i>PLoS Computational Biology</i> , 2018, 14, e1006468.	1.5	11
25	Temperature dependent effects of carbon dioxide on avoidance behaviors in bigheaded carps. <i>Biological Invasions</i> , 2018, 20, 3095-3105.	1.2	17
26	A spatially discrete, integral projection model and its application to invasive carp. <i>Ecological Modelling</i> , 2018, 387, 163-171.	1.2	9
27	Examination of contaminant exposure and reproduction of ospreys (<i>Pandion haliaetus</i>) nesting in Delaware Bay and River in 2015. <i>Science of the Total Environment</i> , 2018, 639, 596-607.	3.9	6
28	Effects of formaldehyde on nitrification in biofilters of small-scale recirculating systems. <i>Aquaculture Research</i> , 2018, 49, 3207-3217.	0.9	3
29	Field evaluation of carbon dioxide as a fish deterrent at a water management structure along the Illinois River. <i>Management of Biological Invasions</i> , 2018, 9, 299-308.	0.5	12
30	A Method to Assess the Population-Level Consequences of Wind Energy Facilities on Bird and Bat Species. , 2017, , 65-76.		7
31	Seasonal trends in eDNA detection and occupancy of bigheaded carps. <i>Journal of Great Lakes Research</i> , 2017, 43, 762-770.	0.8	21
32	Using silver and bighead carp cell lines for the identification of a unique metabolite fingerprint from thiram-specific chemical exposure. <i>Chemosphere</i> , 2017, 168, 1477-1485.	4.2	8
33	Monarch butterfly population decline in North America: identifying the threatening processes. <i>Royal Society Open Science</i> , 2017, 4, 170760.	1.1	191
34	Incorporating Allee effects into the potential biological removal level. <i>Natural Resource Modelling</i> , 2017, 30, N/A.	0.8	9
35	Carbon dioxide as an under-ice lethal control for invasive fishes. <i>Biological Invasions</i> , 2017, 19, 2543-2552.	1.2	17
36	An integral projection model with YY-males and application to evaluating grass carp control. <i>Ecological Modelling</i> , 2017, 361, 14-25.	1.2	13

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37	EROD activity, chromosomal damage, and oxidative stress in response to contaminants exposure in tree swallow (<i>Tachycineta bicolor</i>) nestlings from Great Lakes Areas of Concern. <i>Ecotoxicology</i> , 2017, 26, 1392-1407.	1.1	17
38	Organic contamination in tree swallow (<i>Tachycineta bicolor</i>) nestlings at United States and binational Great Lakes Areas of Concern. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 735-748.	2.2	28
39	Responses of invasive silver and bighead carp to a carbon dioxide barrier in outdoor ponds. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 297-305.	0.7	45
40	Estimating linear temporal trends from aggregated environmental monitoring data. <i>Ecological Indicators</i> , 2017, 74, 62-72.	2.6	4
41	Using dissolved carbon dioxide to alter the behavior of invasive round goby. <i>Management of Biological Invasions</i> , 2017, 8, 567-574.	0.5	19
42	Detecting the movement and spawning activity of bigheaded carps with environmental <i>scp</i> >DNA</scp>. <i>Molecular Ecology Resources</i> , 2016, 16, 957-965.	2.2	71
43	Chesapeake Bay fish osprey (<i>Pandion haliaetus</i>) food chain: Evaluation of contaminant exposure and genetic damage. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1560-1575.	2.2	15
44	Structure and spatial patterns of macrobenthic community in Tai Lake, a large shallow lake, China. <i>Ecological Indicators</i> , 2016, 61, 179-187.	2.6	23
45	Safety of the molluscicide Zequanox® to nontarget macroinvertebrates <i>Gammarus lacustris</i> (Amphipoda: Gammaridae) and <i>Hexagenia</i> spp. (Ephemeroptera: Ephemeridae). <i>Management of Biological Invasions</i> , 2016, 7, 269-280.	0.5	3
46	Effects of wind energy generation and white-nose syndrome on the viability of the Indiana bat. <i>PeerJ</i> , 2016, 4, e2830.	0.9	25
47	Assessing local population vulnerability with branching process models: an application to wind energy development. <i>Ecosphere</i> , 2015, 6, 1-14.	1.0	15
48	Chromosomal damage and EROD induction in tree swallows (<i>Tachycineta bicolor</i>) along the Upper Mississippi River, Minnesota, USA. <i>Ecotoxicology</i> , 2015, 24, 1028-1039.	1.1	4
49	Estimating the short-term recovery potential of little brown bats in the eastern United States in the face of White-nose syndrome. <i>Ecological Modelling</i> , 2015, 314, 111-117.	1.2	17
50	Soil microbial and nutrient responses to 7 years of seasonally altered precipitation in a Chihuahuan Desert grassland. <i>Global Change Biology</i> , 2014, 20, 1657-1673.	4.2	120
51	Estimating the spatial distribution of wintering little brown bat populations in the eastern United States. <i>Ecology and Evolution</i> , 2014, 4, 3746-3754.	0.8	9
52	A <i>Daphnia</i> population model that considers pesticide exposure and demographic stochasticity. <i>Ecological Modelling</i> , 2014, 275, 37-47.	1.2	9
53	BatTool: an R package with GUI for assessing the effect of White-nose syndrome and other take events on <i>Myotis</i> spp. of bats. <i>Source Code for Biology and Medicine</i> , 2014, 9, 9.	1.7	7
54	A Stage-Structured, Spatially Explicit Migration Model for <i>Myotis</i> Bats: Mortality location affects system dynamics. <i>Letters in Biomathematics</i> , 2014, 1, 157-172.	0.3	7

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55	A Stage-Structured, Spatially Explicit Migration Model for Myotis Bats: Mortality Location Affects System Dynamics. <i>Letters in Biomathematics</i> , 2014, 1, .	0.3	3
56	Effects of landuse and precipitation on pesticides and water quality in playa lakes of the southern high plains. <i>Chemosphere</i> , 2013, 92, 84-90.	4.2	134
57	Does the "Office Nurse" Level of Training Matter in the Family Medicine Office?. <i>Journal of the American Board of Family Medicine</i> , 2012, 25, 854-861.	0.8	9
58	Potential impacts of climate change on the ecology of dengue and its mosquito vector the Asian tiger mosquito (<i>Aedes albopictus</i>). <i>Environmental Research Letters</i> , 2012, 7, 034003.	2.2	29
59	Multi-Location Study of Soil Enzyme Activities as Affected by Types and Rates of Manure Application and Tillage Practices. <i>Agriculture (Switzerland)</i> , 2011, 1, 4-21.	1.4	27
60	A stage-structured, <i>Aedes albopictus</i> population model. <i>Ecological Modelling</i> , 2010, 221, 1273-1282.	1.2	51
61	A dengue model with a dynamic <i>Aedes albopictus</i> vector population. <i>Ecological Modelling</i> , 2010, 221, 2899-2908.	1.2	52
62	Variation Among Student Chapters of The Wildlife Society. <i>Journal of Wildlife Management</i> , 2008, 72, 575-579.	0.7	1
63	Quantitative Method Development to Determine Feed Consumption Using a Dye. <i>North American Journal of Aquaculture</i> , 0, , .	0.7	1